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## NOTICE OF ALLOWANCE AND FEE(S) DUE

26290

7590

04/06/2009

PATTERSON & SHERIDAN, L.L.P. 3040 POST OAK BOULEVARD SUITE 1500 HOUSTON, TX 77056

EXAMINER					
JONES, JAMES					
ART UNIT	PAPER NUMBER				
2972					

DATE MAILED: 04/06/2009

APPLICATION NO. FILING DATE FIRST NAMED INVENTOR ATTORNEY DOCKET NO. CONFIRMATION NO. 10/540,178 12/05/2005 Stefan Lanio ZIMR/0019 1197

TITLE OF INVENTION: MULTI-AXIS LENS, BEAM SYSTEM MAKING USE OF THE COMPOUND LENS, AND METHOD OF MANUFACTURING

THE COMPOUND LENS

APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE DUE	PREV. PAID ISSUE FEE	TOTAL FEE(S) DUE	DATE DUE
nonprovisional	NO	\$1510	\$300	\$0	\$1810	07/06/2009

THE APPLICATION IDENTIFIED ABOVE HAS BEEN EXAMINED AND IS ALLOWED FOR ISSUANCE AS A PATENT. PROSECUTION ON THE MERITS IS CLOSED. THIS NOTICE OF ALLOWANCE IS NOT A GRANT OF PATENT RIGHTS. THIS APPLICATION IS SUBJECT TO WITHDRAWAL FROM ISSUE AT THE INITIATIVE OF THE OFFICE OR UPON PETITION BY THE APPLICANT. SEE 37 CFR 1.313 AND MPEP 1308.

THE ISSUE FEE AND PUBLICATION FEE (IF REQUIRED) MUST BE PAID WITHIN THREE MONTHS FROM THE MAILING DATE OF THIS NOTICE OR THIS APPLICATION SHALL BE REGARDED AS ABANDONED. THIS STATUTORY PERIOD CANNOT BE EXTENDED. SEE 35 U.S.C. 151. THE ISSUE FEE DUE INDICATED ABOVE DOES NOT REFLECT A CREDIT FOR ANY PREVIOUSLY PAID ISSUE FEE IN THIS APPLICATION. IF AN ISSUE FEE HAS PREVIOUSLY BEEN PAID IN THIS APPLICATION (AS SHOWN ABOVE), THE RETURN OF PART B OF THIS FORM WILL BE CONSIDERED A REQUEST TO REAPPLY THE PREVIOUSLY PAID ISSUE FEE TOWARD THE ISSUE FEE NOW DUE.

#### HOW TO REPLY TO THIS NOTICE:

I. Review the SMALL ENTITY status shown above.

If the SMALL ENTITY is shown as YES, verify your current SMALL ENTITY status:

A. If the status is the same, pay the TOTAL FEE(S) DUE shown above.

B. If the status above is to be removed, check box 5b on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and twice the amount of the ISSUE FEE shown above, or

If the SMALL ENTITY is shown as NO:

A. Pay TOTAL FEE(S) DUE shown above, or

B. If applicant claimed SMALL ENTITY status before, or is now claiming SMALL ENTITY status, check box 5a on Part B - Fee(s) Transmittal and pay the PUBLICATION FEE (if required) and 1/2 the ISSUE FEE shown above.

II. PART B - FEE(S) TRANSMITTAL, or its equivalent, must be completed and returned to the United States Patent and Trademark Office (USPTO) with your ISSUE FEE and PUBLICATION FEE (if required). If you are charging the fee(s) to your deposit account, section "4b" of Part B - Fee(s) Transmittal should be completed and an extra copy of the form should be submitted. If an equivalent of Part B is filed, a request to reapply a previously paid issue fee must be clearly made, and delays in processing may occur due to the difficulty in recognizing the paper as an equivalent of Part B.

III. All communications regarding this application must give the application number. Please direct all communications prior to issuance to Mail Stop ISSUE FEE unless advised to the contrary.

IMPORTANT REMINDER: Utility patents issuing on applications filed on or after Dec. 12, 1980 may require payment of maintenance fees. It is patentee's responsibility to ensure timely payment of maintenance fees when due.

### PART B - FEE(S) TRANSMITTAL

## Complete and send this form, together with applicable fee(s), to: Mail Mail Stop ISSUE FEE

Commissioner for Patents P.O. Box 1450 Alexandria, Virginia 22313-1450

or <u>Fax</u> (571)-273-2885

INSTRUCTIONS: This form should be used for transmitting the ISSUE FEE and PUBLICATION FEE (if required). Blocks 1 through 5 should be completed where ar in m

ppropriate. All further of dicated unless correcte naintenance fee notificat	correspondence including ed below or directed oth tions.	g the Patent, advance or erwise in Block 1, by (a	rders and notification a) specifying a new co	of m orresp	aintenance fees woondence address;	ill be and/or	mailed to the current (b) indicating a sepa	correspo rate "FE	ondence address as E ADDRESS" for
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HOUSTON, TX	77056								(Depositor's name)
									(Signature)
									(Date)
APPLICATION NO.	FILING DATE		FIRST NAMED INVEN	TOR		ATTO:	RNEY DOCKET NO.	CONF	RMATION NO.
10/540,178 ITLE OF INVENTION HE COMPOUND LEN		BEAM SYSTEM MAKI	Stefan Lanio NG USE OF THE CO	МРО	UND LENS, ANI	) MET	ZIMR/0019 HOD OF MANUFAC	ΓURINO	1197 3
APPLN. TYPE	SMALL ENTITY	ISSUE FEE DUE	PUBLICATION FEE D	UE	PREV. PAID ISSUE	FEE	TOTAL FEE(S) DUE	T	DATE DUE
nonprovisional	NO	\$1510	\$300		\$0		\$1810		07/06/2009
EXAM	INER	ART UNIT	CLASS-SUBCLASS						
JONES,	JAMES	2873	359-619000						
. Change of correspondence address or indication of "Fee Address" (37 FR 1.363).  Change of correspondence address (or Change of Correspondence Address form PTO/SB/122) attached.  "Fee Address" indication (or "Fee Address" Indication form PTO/SB/47; Rev 03-02 or more recent) attached. Use of a Customer Number is required.			2. For printing on the patent front page, list  (1) the names of up to 3 registered patent attorneys or agents OR, alternatively,  (2) the name of a single firm (having as a member a registered attorney or agent) and the names of up to 2 registered patent attorneys or agents. If no name is listed, no name will be printed.						
PLEASE NOTE: Unle	ess an assignee is identi h in 37 CFR 3.11. Comp	A TO BE PRINTED ON The fied below, no assignee eletion of this form is NO	data will appear on the	he pa g an a	tent. If an assigne ssignment. and STATE OR C	OUNT	TRY)		
lease check the appropri	iate assignee category or	categories (will not be pr	rinted on the patent):	Ц	Individual 🖵 Co	rporati	on or other private gro	up entity	Government
a. The following fee(s) are submitted:  Issue Fee  Publication Fee (No small entity discount permitted)  Advance Order - # of Copies			<ul> <li>4b. Payment of Fee(s): (Please first reapply any previously paid issue fee shown above)</li> <li>A check is enclosed.</li> <li>Payment by credit card. Form PTO-2038 is attached.</li> <li>The Director is hereby authorized to charge the required fee(s), any deficiency, or credit any overpayment, to Deposit Account Number (enclose an extra copy of this form).</li> </ul>						
_ ~ .	tus (from status indicated s SMALL ENTITY statu		☐ b. Applicant is no	long	er claiming SMAI	LENT	ΓΙΤΥ status. See 37 CF	ID 1 276	a)(2)
OTE: The Issue Fee and	d Publication Fee (if requ	nired) will not be accepted tes Patent and Trademark	d from anyone other th						
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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.		
10/540,178	12/05/2005	12/05/2005 Stefan Lanio		1197		
26290 75	90 04/06/2009		EXAMINER			
PATTERSON &	SHERIDAN, L.L.P.	JONES, JAMES				
3040 POST OAK I	BOULEVARD	ART UNIT PAPER NUMB				
SUITE 1500 HOUSTON, TX 77056			2873 DATE MAILED: 04/06/200	9		

# **Determination of Patent Term Adjustment under 35 U.S.C. 154 (b)**

(application filed on or after May 29, 2000)

The Patent Term Adjustment to date is 289 day(s). If the issue fee is paid on the date that is three months after the mailing date of this notice and the patent issues on the Tuesday before the date that is 28 weeks (six and a half months) after the mailing date of this notice, the Patent Term Adjustment will be 289 day(s).

If a Continued Prosecution Application (CPA) was filed in the above-identified application, the filing date that determines Patent Term Adjustment is the filing date of the most recent CPA.

Applicant will be able to obtain more detailed information by accessing the Patent Application Information Retrieval (PAIR) WEB site (http://pair.uspto.gov).

Any questions regarding the Patent Term Extension or Adjustment determination should be directed to the Office of Patent Legal Administration at (571)-272-7702. Questions relating to issue and publication fee payments should be directed to the Customer Service Center of the Office of Patent Publication at 1-(888)-786-0101 (571)-272-4200.

	Application No.	Applicant(s)	
	10/540,178	LANIO, STEFAN	
Notice of Allowability	Examiner	Art Unit	
	JAMES C. JONES	2873	
The MAILING DATE of this communication app All claims being allowable, PROSECUTION ON THE MERITS IS herewith (or previously mailed), a Notice of Allowance (PTOL-85 NOTICE OF ALLOWABILITY IS NOT A GRANT OF PATENT F of the Office or upon petition by the applicant. See 37 CFR 1.31	pears on the cover sheet of the	with the correspondence address in this application. If not included munication will be mailed in due course.	
1. This communication is responsive to <u>amendments filed 3.</u>	<u>12/2009</u> .		
2. $\boxtimes$ The allowed claim(s) is/are <u>1-18 and 34</u> .			
3.  Acknowledgment is made of a claim for foreign priority of a)  All b)  Some* c)  None of the:  1.  Certified copies of the priority documents have 2.  Certified copies of the priority documents have 3.  Copies of the certified copies of the priority of International Bureau (PCT Rule 17.2(a)).  * Certified copies not received:  Applicant has THREE MONTHS FROM THE "MAILING DATE noted below. Failure to timely comply will result in ABANDON THIS THREE-MONTH PERIOD IS NOT EXTENDABLE.  4.  A SUBSTITUTE OATH OR DECLARATION must be submin INFORMAL PATENT APPLICATION (PTO-152) which gives 1.  CORRECTED DRAWINGS (as "replacement sheets") must (a)  including changes required by the Notice of Draftspell (b)  hereto or 2)  to Paper No./Mail Date  [b] Including changes required by the attached Examined Paper No./Mail Date  Identifying indicia such as the application number (see 37 CFR each sheet. Replacement sheet(s) should be labeled as such in the deplated examiner's comment regarding REQUIREMENT attached Examiner's comment regarding REQUIREMENT.	re been received. re been received in Application and the header according to 37 osit of BIOLOGICAL MA	tion No  yed in this national stage application from the a reply complying with the requireme to the control of the drawings in the front (not the back) of the drawings in the submitted. Note the control of the the control of the the control of the drawings in the submitted.	nts OF
Attachment(s)  1. ☐ Notice of References Cited (PTO-892)  2. ☐ Notice of Draftperson's Patent Drawing Review (PTO-948)  3. ☐ Information Disclosure Statements (PTO/SB/08), Paper No./Mail Date  4. ☐ Examiner's Comment Regarding Requirement for Deposit of Biological Material	5. ☐ Notice of 6. ☐ Interview Paper N 7. ☑ Examine 8. ☑ Examine 9. ☐ Other	Informal Patent Application Summary (PTO-413), b./Mail Date 's Amendment/Comment 's Statement of Reasons for Allowance	
/James C. Jones/ Examiner, Art Unit 2873	/Jordan M. So	hwartz/ niner, Art Unit 2873	
	Filliary Exam	iiilei, Ait Oliit 2073	

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Art Unit: 2873

1. Claims 1-18 and 34 are allowed.

### REASONS FOR ALLOWANCE/EXAMINER'S COMMENTS

#### Reasons for Allowance

2. The following is an examiner's statement of reasons for allowance: none of the prior art either alone or in combination disclose or teach of the claimed combination of limitations to warrant a rejection under 35 USC 102 or 103. Specifically, in reference to independent claim 1 (and its dependents), none of the prior art either alone or in combination disclose or teach of the claimed lens system specifically including as the distinguishing features in combination with the other limitations the claimed "wherein each lens module has n-fold symmetry with respect to the center of the opening and n>1".

Regarding independent claim 17 (and its dependent), none of the prior art either alone or in combination disclose or teach of the claimed method of manufacturing a lens system specifically including as the distinguishing features in combination with the other limitations the claimed "wherein the center of each opening provides an optical axis, a lens field corresponding to each opening has n-fold symmetry with respect to the center of the opening and n>1".

Regarding independent claim 34, none of the prior art either alone or in combination disclose or teach of the claimed multiple charged particle beam device specifically including as the distinguishing features in combination with the other limitations the claimed "wherein each lens module has n-fold symmetry with respect to the center of the opening and n>1".

### Examiner's Comments

Kienzle et al. (20040105160) and Frosien et al. (20060169910) are being cited herein to show references that discloses some similar features to that of the claimed invention.

Any comments considered necessary by applicant must be submitted no later than the payment of the issue fee and, to avoid processing delays, should preferably accompany the issue fee. Such submissions should be clearly labeled "Comments on Statement of Reasons for Allowance."

Any inquiry concerning this communication or earlier communications from the examiner should be directed to JAMES C. JONES whose telephone number is (571)270-1278. The examiner can normally be reached on Monday thru Friday, 8 a.m. to 5 p.m. est. time.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Ricky Mack can be reached on (571) 272-2333. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

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Art Unit: 2873

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/James C. Jones/ Examiner, Art Unit 2873 3/24/2009

/Jordan M. Schwartz/ Primary Examiner, Art Unit 2873